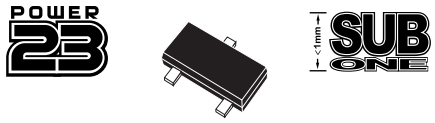
查询CMPT751供应商

CMPT751

SURFACE MOUNT
PNP HIGH CURRENT TRANSISTOR



SOT-23F CASE

Central™
Semiconductor Corp.

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMPT751 type is a high current PNP Silicon Transistor, epoxy molded in a space saving Power SOT-23F surface mount package, designed for high current applications.

Marking code is **C751**.

MAXIMUM RATINGS: (T_A=25°C)

	SYMBOL		UNITS
Collector-Base Voltage	V_{CBO}	80	V
Collector-Emitter Voltage	V_{CEO}	60	V
Emitter-Base Voltage	V_{EBO}	5.0	V
Collector Current	I_C	2.0	A
Power Dissipation	P_D	350	mW
Operating and Storage Junction Temperature	T_J,T_{stg}	-65 to +150	°C
Thermal Resistance	Θ_{JA}	357	°C/W

ELECTRICAL CHARACTERISTICS: (T_A=25°C)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
I_{CBO}	V_{CB}=80V		100	nA
I_{EBO}	V_{EB}=4.0V		100	nA
BV_{CBO}	I_C=100μA	80		V
BV_{CEO}	I_C=10mA	60		V
BV_{EBO}	I_E=10μA	5.0		V
$V_{CE(SAT)}$	I_C=0.5A, I_B=50mA		150	mV
$V_{CE(SAT)}$	I_C=1.0A, I_B=100mA		200	mV
$V_{CE(SAT)}$	I_C=2.0A, I_B=200mA		400	mV
$V_{BE(SAT)}$	I_C=1.0A, I_B=100mA		1.2	V
$V_{BE(ON)}$	V_{CE}=2.0V, I_C=1.0A		1.0	V
h_{FE}	V_{CE}=2.0V, I_C=50mA	75		
h_{FE}	V_{CE}=2.0V, I_C=500mA	100	300	
h_{FE}	V_{CE}=2.0V, I_C=1.0A	75		
h_{FE}	V_{CE}=2.0V, I_C=2.0A	40		
f_T	V_{CE}=5.0V, I_C=50mA, f=100MHz	75		MHz

R0 (03-January 2002)

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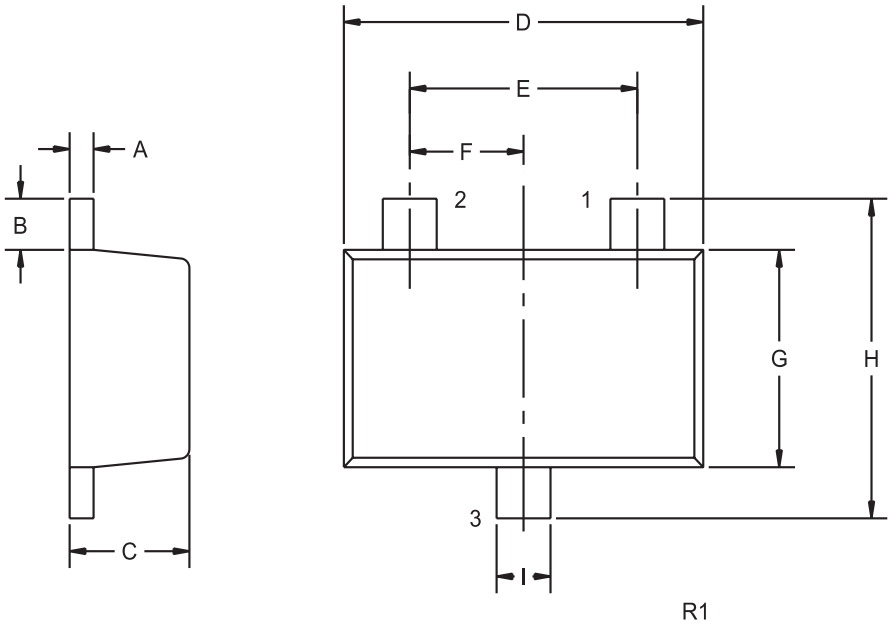
CMPT751

SURFACE MOUNT
PNP HIGH CURRENT
TRANSISTOR

SOT-23F CASE - MECHANICAL OUTLINE



LEAD CODE:
1) Base
2) Emitter
3) Collector

DIMENSIONS				
	INCHES		MILLIMETERS	
SYMBOL	MIN	MAX	MIN	MAX
A	0.004	0.008	0.10	0.20
B	0.012	0.020	0.30	0.50
C	0.031	0.039	0.80	1.00
D	0.110	0.118	2.80	3.00
E	0.075		1.90	
F	0.037		0.95	
G	0.059	0.067	1.50	1.70
H	0.091	0.098	2.30	2.50
I	0.014	0.018	0.35	0.45

SOT-23F (REV: R1)

R0 (03-January 2002)